

DFD-2093-61

30 March 1961

MEMORANDUM FOR: Director of Logistics

ATTENTION : Chief, Transportation Division

SUBJECT : Request for Truck in Support of Air Cargo Movements

1. It is requested that a truck with specifications listed below be procured in support of air cargo movements within the Metropolitan area. This requirement is justified by the continuing increase in air support of this Project as well as other elements throughout the Agency. Expeditionary handling of this matter by your office will be greatly appreciated.

2. Following are the required specifications:

A. Truck, Ford, Model C-700 or equivalent to be equipped with:

- (1) Power take-off
- (2) Power steering
- (3) Spotlight mounted on top of cab that can be turned 360 degrees in all directions from inside cab
- (4) Seat, full width of cab
- (5) Wheelbase with sufficient capability of handling high lift van and hoist listed below

B. Van, high lift, aluminum, unisteel Facemaker A1486 (or 1478) or equivalent

- (1) Dimensions: 14' long X 92' wide X 86' (or 78') high at eaves
- (2) Skin: Corrugated aluminum with one piece roof, minimum of .036
- (3) Floor 3/16" aluminum plate, flat, no wheel housings
- (4) Crossmembers: on 12" centers, 12 gage, all full width, minimum 4"
- (5) Headers: 14 gage
- (6) Doors: Rear pull-up type as wide as possible conforming with good manufacturing practice
- (7) Lining: 1/2" plywood, full height of walls
- (8) Cleats: Tie down cleats or rings, recessed, two rows each side on 24" centers. Rear most rings or cleats as close to rear wall as practical

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- (9) Lights: Markers including cluster lights on front and rear and Class "A" rear directionals to ICC and D.C. Regulations
  - (10) Inside lights: One spotlight, right rear, top corner inside van; one spotlight left front, top corner, inside van; female plug-in unit, left rear, top corner, inside van for portable extension light
  - (11) Ladder: Roll-up type mounted on driver side, rear of body. Will extend when body is raised and roll-up automatically when body is lowered
- C. Hoist: Ieco Model THF4 or equivalent; lift height of 144" having a safe working capacity of 12,500 lbs. To have twin three stage telescoping cylinders having minimum stroke of 60". Active sleeve diameter of 7" minimum to have 20 gallon oil reserve capacity. Pump capacity minimum 20 GPM pump pressure - 1000 psi, pump speed 1000 RPM. Hydraulic pump to be deep gear with gear and shaft one piece. Dual input shafts Hoist shall be capable of raising either end of body to insure level loading and unloading.
- (1) Controls: Controls for raising and lowering body shall be mounted at the rear of body. A "feeler" or "Safety Device" with positive mechanical linkage capable of overruling the operator at primary source of upward travel control immediately upon reaching working level at aircraft. This linkage operable to hold and down positions only. It shall provide down action when aircraft settles with pay load and shall return to hold position when aircraft settling eases. Controls to have master control valve for safety. Provisions shall be made to give the operator easy, safe access to operating controls. Power to be furnished through power take-off from truck transmission.

3. Estimated cost of van with hoist is \$8,000. Estimated cost of truck with equipment listed in paragraph 2A above is \$4,000.

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Chief, Materiel Staff  
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